## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	318	703/17.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2007/11/28 17:31

11/28/2007 5:32:56 PM

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L2	560	vector\$1 and histogram\$1 and train\$3 and classif\$7 and @ad<"20000401"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2007/11/28 16:52
L3	120	vector\$1 and histogram\$1 and train\$3 and classif\$7 and neighbor and @ad<"20000401"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2007/11/28 16:52

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<u>Maps</u>

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#### **All Results**

<u>Text independent speaker identification using automatic</u>

T Eftestol

acousticsegmentation

J Lee

H Schneiderman

P Cosman

C Stauffer

RC Rose, DA Reynolds - Acoustics, Speech, and Signal Processing, 1990. ICASSP-90.,

..., 1990 - ieeexplore.ieee.org

... data outperformed the spectrum bias vector obtained from the ... is that consistently good speaker classification accuracy can ... Figure 3(a) shows the histogram of a ...

Cited by 42 - Related Articles - Web Search

## ... of Defibrillation by Spectral Characterization and Nonparametric Classification of Ventricular ... - all 3 versions »

T Eftestol, K Sunde, S Ole Aase, JH Husoy, PA ... - Circulation, 2000 - Am Heart Assoc ... the minimum component of the risk vector r=[r ... underlying statistics can be estimated with classification theory ... Both the histogram bin resolution and the kernel ... Cited by 52 - Related Articles - Web Search

Radar clutter classification using Kohonen neural network - all 3 versions » A Jakubiak, J Arabas, K Grabczak, D Radomski, JF ... - Radar 97 (Conf. Publ. No. 449). 1997 - ieeexplore.ieee.org

... A neural network trained with histogram ... can correctly classify even in a very strongly

correlated clutter ... and for different values of input vector length N ...

Cited by 4 - Related Articles - Web Search

#### Non-parametric classification algorithm with an unknown class - all 6 versions »

B Gorte, N Gorte-Kroupnova - Proceedings of the International Symposium on Computer ..., 1995 - doi.ieeecs.ora

... Every pixel is characterized by a feature vector x. Pixels ... P(Cilx), as can be seen on a histogram (Figure 1 ... im- age on Figure 9). 2.3 Classification After the ... Cited by 2 - Related Articles - Web Search

## A Nonparametric Multiscale Markov Random Field Model For

Synthesizing Natural Textures

RD Paget, D Longstaff - Signal Processing and Its Applications, 1996. ISSPA 96..... 1996 - ieeexplore.ieee.org

... not allow the model to segment and classify similar textures. ... sample data point in the multi-dimensional histogram over a ... C S. For a column vector a = Col[Lo,L ... Cited by 9 - Related Articles - Web Search

A neural network approach to cloud classification - all 3 versions » J Lee, RC Weger, SK Sengupta, RM Welch - Geoscience and Remote Sensing, IEEE Transactions on, 1990 - ieeexplore.ieee.org

... and storage requirements for cloud classification was made ... the GLCM, sum and

histogram (SADH) ap ... and the gray level difference vector (GLDV) approach ... Cited by 92 - Related Articles - Web Search



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#### **All Results**

H Drucker

A Laine

D Wu

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Support Vector Machines for Spam Categorization - all 9 versions »

H Drucker, D Wu, VN Vapnik - IEEE TRANSACTIONS ON NEURAL NETWORKS, 1999 - ieeexplore.ieee.org

... s are relatively insensitive to the relative numbers of each class. ... of dot products of the **prototype vector** with all ... that the spam would be harder to **classify** ...

Cited by 315 - Related Articles - Web Search

# [PDF] Prototype and feature selection by sampling and random mutation hill climbing algorithms - all 8 versions »

DB Skalak - Proceedings of the Eleventh International Conference on ..., 1994 - citeseer.comp.nus.edu.sg

... 7.6 features of 13 were used for **classification** in the ... of **classes** moots the selection of a **prototype**, since any instance in an isolated **class** may give ...

Cited by 225 - Related Articles - View as HTML - Web Search

#### Support vector domain description - all 16 versions »

DMJ Tax, RPW Duin - Pattern Recognition Letters, 1999 - Elsevier

... is an important tool for robust and confident **classification**. Data which do not resemble a target **class** should be ... large values of s, just one **prototype** for the ...

Cited by 192 - Related Articles - Web Search

## Nearest prototype classification: clustering, genetic algorithms, or random search? - all 3 versions »

LI Kuncheva, JC Bezdek - Systems, Man and Cybernetics, Part C, IEEE Transactions on, 1998 - ieeexplore ieee.org

... label of the most widely represented **class** amongst the data points associated with the **prototype** ... is performed irrespective of **classification** accuracy, and ...

Cited by 75 - Related Articles - Web Search

## A Fast Algorithm for Hierarchical Text Classification - all 9 versions » WT Chuang, A Tiyyagura, J Yang, G Giuffrida - Data Warehousing and Knowledge

Discovery: Second ..., 2000 - books.google.com

... the various characteristics for the node so that it can **classify** the test ... words, TFIDF will now serve as a norm or **prototype vector** to describe that **class**. ...

Cited by 24 - Related Articles - Web Search

## Texture classification by wavelet packet signatures - all 8 versions »

A Laine, J Fan - Pattern Analysis and Machine Intelligence, IEEE Transactions ..., 1993 - ieeexplore ieee.org

... each pattern class i is representable by a prototype pattern Z1 (class center ... distance classifier assigned a pattern X of unknown classification to Fig. ...

Cited by 332 - Related Articles - Web Search

## [PS] Support vector machines for the classification of western handwritten capitals - all 5 versions »

F Wang, L Vuurpijl, L Schomaker - Proc. 7th International Workshop on Frontiers in Handwriting ..., 2000 - hwr.nici.kun.nl



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J Bezdek L Kuncheva

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LI Kuncheva, JC Bezdek - Systems, Man and Cybernetics, Part C, IEEE Transactions on, 1998 - ieeexplore.ieee.org

... Abstract— Three questions related to the nearest prototype classifier (NPC) are addressed ... given labeled data, 2) how can we trade classification accuracy for ...

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JC Bezdek, TR Reichherzer, GS Lim, Y Attikiouzel - Systems, Man and Cybernetics, Part C. IEEE Transactions on, 1998 - ieeexplore.ieee.org

... Although the implicit use of the methods we discuss is for classification (and hence, good generalization ... BEZDEK et al.: MULTIPLE-PROTOTYPE CLASSIFIER DESIGN ... Cited by 69 - Related Articles - Web Search

### Prototype Classification and Logical Classification: The Two Systems

E Rosch - New Trends in Conceptual Representation: Challenges to ..., 1983 books.google.com

Page 86. NATURAL CATEGORIES Eleanor Rosch Prototype Classification and Logical Classification: The Two Systems University of California, Berkeley A logical ... Cited by 107 - Related Articles - Web Search

#### [CITATION] **Prototype** classification and feature selection with fuzzy sets JC Bezdek, PF Castelaz - IEEE Transactions on Systems, Man and Cybernetics, 1977 Cited by 55 - Related Articles - Web Search

#### Towards a method for automated classification of 1H MRS spectra from brain tumours. - all 2 versions »

AR Tate, JR Griffiths, I Martinez-Perez, A Moreno, ... - NMR Biomed, 1998 - ncbi.nlm.nih.gov ... it will be necessary to develop reliable automated classification methods that ... initial database of spectra was used to develop a prototype classifier, based on ... Cited by 77 - Related Articles - Web Search

### A generalized VQ method for combined compression and estimation - all 2 versions »

A Rao, D Miller, K Rose, A Gersho - Acoustics, Speech, and Signal Processing, 1996. ICASSP-96. ..., 1996 - ieeexplore.ieee.org

... whose performance measure is the distortion in Y induced by the classification ... We propose to use a multiple-prototype classifier structure which we next de ... Cited by 20 - Related Articles - Web Search

### Influence of manipulated category knowledge on prototype classification and recognition

D HOMA, B GOLDHARDT, L BURRUEL-HOMA, JC SMITH - Memory & cognition, 1993 cat.inist.fr

Influence of manipulated category knowledge on prototype classification and recognition. D HOMA, B GOLDHARDT, L BURRUEL-HOMA, JC ...



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1. Neural networks for statistical recognition of continuous speech

Morgan, N.; Bourlard, H.A.;

Proceedings of the IEEE

Volume 83, <u>Issue 5</u>, May 1995 Page(s):742 - 772

Digital Object Identifier 10.1109/5.381844

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2. Detection of non-Gaussian signals: a paradigm for modern statistical signals. prolog]

Garth, L.M.; Poor, H.V.;

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Volume 82, Issue 7, July 1994 Page(s):1061 - 1095

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3. Using vector quantization for image processing 

Cosman, P.C.; Oehler, K.L.; Riskin, E.A.; Gray, R.M.;

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4. Supervised fuzzy analysis of single- and multichannel SAR data Г

Benz, U.C.;

Geoscience and Remote Sensing, IEEE Transactions on Volume 37, Issue 2, Part 2, March 1999 Page(s):1023 - 1037

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LNAI 3213 - A Study on Nonparametric Classifiers for a CAD System ... Thus, the dimensionality of the histogram feature vector is 4096. .... ods of the combined feature vector for classifying diffuse lung opacities in thin ... www.springerlink.com/index/8kqjwy8vt6dwd7cd.pdf - Similar pages

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Pattern Recognition Letters: Cell algorithms with data inflation ...
In the negative case, any sample Y belonging to C is classified by means of the k-NN algorithm. The histogram classifier, introduced in (Gessaman, 1970), ... linkinghub.elsevier.com/retrieve/pii/S0167865505003533 - Similar pages

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Our aim is to classify pixels of a multispectral im-, age. Every pixel is characterized by a feature vector. x. Pixels must be attributed to one of the ...

doi.ieeecomputersociety.org/10.1109/ISCV.1995.477042 - Similar pages

Predicting Outcome of Defibrillation by Spectral Characterization ... In the classifier, each feature vector, v, was considered to belong to 1 of ... Histogram bin resolution and kernel width are the 2 key parameters of the ... www.circ.ahajournals.org/cgi/content/full/102/13/1523 - Similar pages

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Welch, R.M.;

 $\Gamma$ 

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5. The ASTER polar cloud mask

Digital Object Identifier 10.1109/5.381842 Abstract | Full Text: PDF(3964 KB) | IEEE JNL

Logar, A.M.; Lloyd, D.E.; Corwin, E.M.; Penaloza, M.L.; Feind, R.E.; Berende:



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Hirota, K.; Pedrycz, W.;

Proceedings of the IEEE

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2. A new clustering algorithm applicable to multispectral and polarimetric:

Wong, Y.; Posner, E.C.;

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3. Incremental planning to control time-constrained blackboard-based prol Г monitoring]

Durfee, E.H.; Lesser, V.R.;

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Gath, I.; Geva, A.B.;

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Software Engineering, IEEE Transactions on Volume 23, <u>Issue 7</u>, July 1997 Page(s):401 - 417

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2. A fuzzy-logic-based approach to qualitative modeling

Sugeno, M.; Yasukawa, T.;

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Das, S.K.; Pinotti, M.C.; Sarkar, F.;

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Graefe, G.; Linville, A.; Shapiro, L.D.;

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Palmer, J.; Duffy, T.; Gomoll, K.; Gomoll, T.; Richards-Palmquist, J.; Trumble,



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Yao, S.B.; Schuster, S.A.; Bernstein, P.A.; Shipman, D.W.; Goodman, N.; Sm

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Schachter, B.J.;

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4. An Autonomous Reading Machine 

Casey, R.G.; Nagy, G.;

Computers, IEEE Transactions on

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 Multispike train analysis Abeles, M.; Goldstein, M.H., Jr.;



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ES Savage-Rumbaugh, DM Rumbaugh, ST Smith, J ... - Science, 1980 - sciencemag.org

... **Training** was facilitated in all three cases by emphasis on the function- al ... The chimpanzees' task was to **sort** a food or a tool into the proper **bin** and then ... Cited by 83 - Related Articles - Web Search

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E BELBIN, S SHIMMIN - Occupational Psychology, 1973 - London.

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